SITE:	San Francisco - Pier 70 PG&E	LATITUDE:	37-46.0
HAZARD:	Facility	LONGITUDE:	122-22.9
VOLUME:	50,000 bbl		
DURATION:	3 days		

TRAJECTORY ANALYSIS

physical spreading, would be expected to transport the oil southward into South San Francisco Bay to the Richmond area. A spill during the flood tide, when combined with time physical spreading of a 50,000 bbl spill would carry the oil northward within San Francisco Bay as far Point San Bruno. northward to and through the Golden Gate and out of San Francisco Bay. dispersion. Spill transport on an ebbing tide would be expected to move the oil spreading of the oil spill by physical processes such as gravity, surface tension, and tidal Bridge. The analysis considered oil transport by the wind and tidal currents, and A spill trajectory envelope was calculated for the PG&E facility located at Pier 70 in San The facility is located approximately one mile south of the San Francisco Bay During this

Mateo Bridge. -direction, strength, and persistence of local winds. Northerly winds, combined with physical spreading, could transport the oil into south San Francisco Bay as far as the San Wind-induced surface currents could cause additional transport of oil depending on the

after 3 days. Southerly winds outside the Bay could transport the oil northward as far as Point Reyes the Bay, northerly winds could transport the oil as far as Point Montara after 3 days. or northward depending on the direction of the wind. For oil that is transported outside Any oil exiting San Francisco Bay would be expected to be transported either southward

preparing these spill envelopes is provided in Section 202.2. envelopes do not represent the trajectory of any one spill. A full discussion of the details used for and wind and assume pessimistic dispersion and other adverse weather conditions. oil in the event of any spill. The envelopes are based on regional extremes of climate, tide, current, These spill trajectory envelopes represent the outer perimeter of shoreside areas that could receive These trajectory

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